

PATENT SPECIFICATION

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(21) Application No. 16641/72 (22) Filed 11 April 1972
(23) Complete Specification filed 11 April 1973
(44) Complete Specification published 24 July 1974
(51) International Classification F16B 2/20 2/22
(52) Index at acceptance
E2B 4A6A 4A6B1 4A6B3

(19)



(54) IMPROVEMENTS IN OR RELATING TO CLIPS

ERRATUM

SPECIFICATION NO 1361113

Page 1, line 32 and 88, for screwed read secured

THE PATENT OFFICE
23 December 1974

R 20168/4

more particularly but not exclusively with
15 the attachment of the fabric of a canopy or
sun blind to its supporting frame. At the
present time this operation is carried out
by nailing or stapling the fabric to a wooden
frame thus necessitating the use of skilled
20 labour, and usually the operation needs to
be carried out in a factor or workshop. The
object of the present invention is to provide
a clip device which simplifies the attachment
of the blind fabric to the supporting frame
25 or other component and permits the opera-
tion to be carried out on the fixing site and
by relatively unskilled labour.

According to the invention a clip for the
purpose mentioned comprises a pair of comple-
30 mentary plates having inter-engageable
means for securing them together in face to
face relation and which plates are adapted
in use when screwed together to engage op-
posite faces of the fabric sheet which is thus
35 clamped between them, one of said plates
being provided on an outer face with a pro-
jecting U or C-shaped socket structure hav-
ing resilient jaws such that it in use can be
sprung on to said bar or rod to secure there-
40 to the fabric sheet clamped between the
plates.

The improved clip readily lends itself to
manufacture in plastics materials and one
such embodiment will now be described with
reference to the accompanying drawings
45 wherein:—

Fig. 1 shows the components of the clip
in perspective view, and

Fig. 2 shows the clip applied to a sheet
of blind of like fabric.

each end interior, and having a circular or
other cross-section, the other plate 2 having
complementary holes or sockets 5 into which
are retained therein by peening over their
ends or by shaping them such that the holed
plate can be force fitted thereover.

In use, and a blind-supporting frame hav-
ing been mounted in the desired position,
the blind fabric indicated at 6 is positioned
thereon and where it is to be attached to
the frame the fabric is apertured or slit
sufficient to enable the studs of a clip to
be passed therethrough. The complementary
plate is then fitted over the projecting lugs
and locked thereon so clamping the clip
firmly to the blind fabric. The fixing is then
completed by snapping the socket structure
on to a component of the supporting frame.

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WHAT WE CLAIM IS:—

1. A clip for attaching a fabric sheet to a bar or rod comprising a pair of comple-
mentary plates having inter-engageable
means for securing them together in face to
face relation and which plates are ad-
apted in use when screwed together to engage
opposite faces of the fabric sheet which is thus
clamped between them, one of said plates
being provided on an outer face with a pro-
jecting U or C-shaped socket structure hav-
ing resilient jaws such that in use it can be
sprung on to said bar or rod to
secure thereto the fabric sheet clamped be-
tween the plates.
2. A clip as claimed in Claim 1, wherein
the plates are of elongate form, the socket

SEE ERRATA SLIP ATTACHED

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(54) IMPROVEMENTS IN OR RELATING TO CLIPS

(71) We, VENTOLITE nsb LIMITED, formerly Northampton Sun Blind Company Limited, a British Company, of Kettering Road, Boothville, Northampton, NN3 1HF, do hereby declare the invention for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to clips for securing a fabric sheet to tubular bars, rods and similar components. The invention is concerned more particularly but not exclusively with the attachment of the fabric of a canopy or sun blind to its supporting frame. At the present time this operation is carried out by nailing or stapling the fabric to a wooden frame thus necessitating the use of skilled labour, and usually the operation needs to be carried out in a factory or workshop. The object of the present invention is to provide a clip device which simplifies the attachment of the blind fabric to the supporting frame or other component and permits the operation to be carried out on the fixing site and by relatively unskilled labour.

According to the invention a clip for the purpose mentioned comprises a pair of complementary plates having inter-engageable means for securing them together in face to face relation and which plates are adapted in use when screwed together to engage opposite faces of the fabric sheet which is thus clamped between them, one of said plates being provided on an outer face with a projecting U or C-shaped socket structure having resilient jaws such that it in use can be sprung on to said bar or rod to secure thereto the fabric sheet clamped between the plates.

The improved clip readily lends itself to manufacture in plastics materials and one such embodiment will now be described with reference to the accompanying drawings wherein:—

Fig. 1 shows the components of the clip in perspective view, and

Fig. 2 shows the clip applied to a sheet of blind of like fabric.

As shown the clip comprises two flat elongated plates 1, 2 one of which has secured thereto or formed integrally therewith and at a point midway between its ends a part circular or C-shaped socket structure consisting of two spaced curved lugs 3 having a degree of resiliency such that when the structure is sprung over a tubular bar or similar component of a blind frame it locks itself firmly thereon. The means for securing the two plates together consists of two studs or lugs 4 on the plate 1, one near each end thereof, and having a circular or other cross-section, the other plate 2 having complementary holes or sockets 5 into which the studs or lugs are received and which are retained therein by peening over their ends or by shaping them such that the holed plate can be force fitted thereover.

In use, and a blind-supporting frame having been mounted in the desired position, the blind fabric indicated at 6 is positioned thereon and where it is to be attached to the frame the fabric is apertured or slit sufficient to enable the studs of a clip to be passed therethrough. The complementary plate is then fitted over the projecting lugs and locked thereon so clamping the clip firmly to the blind fabric. The fixing is then completed by snapping the socket structure on to a component of the supporting frame.

WHAT WE CLAIM IS:—

1. A clip for attaching a fabric sheet to a bar or rod comprising a pair of complementary plates having inter-engageable means for securing them together in face to face relation and which plates are adapted in use when screwed together to engage opposite faces of the fabric sheet which is thus clamped between them, one of said plates being provided on an outer face with a projecting U or C-shaped socket structure having resilient jaws such that in use it can be sprung on to said bar or rod to secure thereto the fabric sheet clamped between the plates.
2. A clip as claimed in Claim 1, wherein the plates are of elongate form, the socket

SEE ERRATA SLIP ATTACHED

structure being provided at a point midway between the ends of its supporting plate and the inter-engageable means consisting of two studs on one of the plates near the
5 respective ends thereof and engageable within complementary holes in the other plate wherein they are retained by peening over the ends of the studs or by shaping the studs such that the holed plate can be force fitted
10 therover.

3. A clip for attaching the fabric of a canopy or sun blind to its supporting frame, substantially as herein described with reference to the accompanying drawings.

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Printed for Her Majesty's Stationery Office by Burgess & Son (Abingdon), Ltd.—1974.
Published at The Patent Office, 25 Southampton Buildings, London, WC2A 1AY
from which copies may be obtained.

1361113

COMPLETE SPECIFICATION

1 SHEET

*This drawing is a reproduction of
the Original on a reduced scale*

